FireWire 800 PCI-32T
Quick Installation Guide

Introducing the *FireWire 800 PCI-32T*

The *FireWire 800 PCI-32T* is designed to support Pentium or equivalent PC computers. It provides 2 independent hot-pluggable FireWire 800 (1394b) ports and 1 FireWire 400 (1394a) port with data transfer rates up to 800Mbps.

Features and Benefits

- Provides 2 FireWire 800 (9-pin) and 1 FireWire 400 (6-pin) ports for multiple device connections
- Supports IEEE 1394b and backwards compatible with 1394a-2000 and 1394-1995 standards
- Supports serial bus data transfer rates of 100, 200, 400 and 800 Mbps
- Built-in 4-pin power connector provides extra power when connected to the system power supply (recommended)
- Hot-swapping allows you to connect/detach devices without turning your system off
- Includes one spare low profile bracket for systems with low profile chassis
- Works with DV camcorders, CD-RW/DVD-ROM drives, scanners, FireWire hard disks, digital cameras, video game systems and other audio/video devices

System Requirements

- Pentium® or equivalent PC with an available 32-bit or 64-bit PCI slot
- Windows® 2000/XP (32-/64-bit)/Server 2003 (32-/64-bit)/Vista (32-/64-bit)

Package Contents

- *FireWire 800 PCI-32T* adapter
- Spare low profile bracket (to use with low profile chassis)
- Driver CD
- Quick installation guide

Board Layout

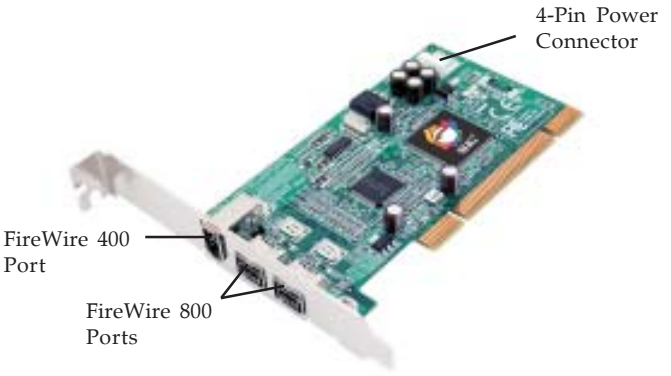

Figure 1. Board layout

Note: The **4-Pin Power Connector** supplies extra power when connected to the system power supply. This connection is optional but recommended.

Hardware Installation

General instructions for installing the card are provided below. Since the design of computer cases and motherboards vary, refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

> **Note:** For Low Profile systems, replace the currently mounted bracket with the included Low Profile bracket.

1. Turn OFF the power to your computer and any connected peripheral device.
2. Unplug the computer's power cord, remove the cover and install the card in an available PCI slot.
3. Push the board down firmly, but gently, until it is well seated.
4. Connect an available 4-pin power connector from the system power supply to the 4-pin power connector on the *FireWire 800 PCI-32T* (see Figure 1). This connection is recommended for reliable power output.
5. Secure the card and replace the cover.

Driver Installation

This section provides information on how to install the FireWire 800 PCI-32T drivers.

Windows 2000

Windows 2000 automatically installs it's built-in 1394a driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the Firewire 800 driver using the directions below.

1. Insert the driver CD. Click **Start**, **Run**. Type **D:\setup32.exe**, click **OK**. (Change **D:** to match the drive letter of your CD-ROM)
2. At the Welcome screen, click **Next**.
3. At the License Agreement screen, click **Yes**.
4. At the Destination Location screen, click **Next**.
5. Select **Complete**, then click **Next**.
6. At the Program Folder screen, click **Next**.
7. At the Digital Signature screen, click **Yes**, then click **Finish**.
8. Select the restart Windows option, then click **Finish**.

32-bit Windows XP

Windows XP automatically installs it's built-in 1394a driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the Firewire 800 driver using the directions below.

1. Insert the driver CD. Click **Start**, **Run**. Type **D:\setup32.exe**, click **OK**. (Change D: to match the drive letter of your CD-ROM)
2. At the Welcome screen, click **Next**.

3. At the License Agreement screen, click **Yes**.
4. At the Destination Location screen, click **Next**.
5. Select **Complete**, then click **Next**.
6. At the Program Folder screen, click **Next**.
7. At the Software Installation screen, click **Continue Anyway**, then click **Finish**.
8. Select the restart Windows option, then click **Finish**.

64-bit Windows XP

Windows XP automatically installs it's built-in 1394a driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below.

1. Insert the driver CD. Click **Start**, **Run**. Type **D:\setup64.exe**, click **OK**. (Change D: to match the drive letter of your CD-ROM)
2. At the Welcome screen, click **Next**.
3. At the License Agreement screen, click **Yes**.
4. At the Destination Location screen, click **Next**.
5. Select **Complete**, then click **Next**.
6. At the Program Folder screen, click **Next**.
7. At the Security Alert box, click **Yes** two times.
8. At the Software Installation screen, click **Continue Anyway**, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

32-bit Windows Server 2003

Windows Server 2003 automatically installs it's built-in FireWire 400 driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below

1. Insert the driver CD. Click **Start**, **Run**. Type **D:\setup32.exe**, click **OK**. (Change **D:** to match the drive letter of your CD-ROM)
2. At the Welcome screen, click **Next**.
3. At the License Agreement screen, click **Yes**.
4. At the Destination Location screen, click **Next**.
5. Select **Complete**, then click **Next**.
6. At the Program Folder screen, click **Next**.
7. At the Security Alert box, click **Yes** two times.
8. At the Software Installation screen, click **Continue Anyway**, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

64-bit Windows Server 2003

Windows Server 2003 automatically installs it's built-in FireWire 400 driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below.

1. Insert the driver CD. Click **Start**, **Run**. Type **D:\setup64.exe**, click **OK**. (Change **D:** to match the drive letter of your CD-ROM)
2. At the Welcome screen, click **Next**.
3. At the License Agreement screen, click **Yes**.
4. At the Destination Location screen, click **Next**.
5. Select **Complete**, then click **Next**.
6. At the Program Folder screen, click **Next**.
7. At the Security Alert box, click **Yes** two times.
8. At the Software Installation screen, click **Continue Anyway**, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

32-bit Windows Vista™

Windows Vista operating system automatically installs it's built-in FireWire 400 driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below.

1. Insert the driver CD. Click **Start**, in the Start Search box, type **D:\setup32.exe**, press **Enter**. (Change **D:** to match the drive letter of your CD-ROM)
2. Click **Allow**.
3. At the Welcome screen, click **Next**.
4. At the License Agreement screen, click **Yes**.
5. At the Destination Location screen, click **Next**.
6. Select **Complete**, then click **Next**.
7. At the Program Folder screen, click **Next**.
8. At the Windows Security box, click **Install** three times, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

64-bit Windows Vista

Windows Vista automatically installs it's built-in FireWire 400 driver for the *FireWire 800 PCI-32T*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below.

1. Insert the driver CD. Click **Start**, in the Start Search box, type **D:\setup64.exe**, press **Enter**. (Change **D:** to match the drive letter of your CD-ROM)
2. Click **Allow**.
3. At the Welcome screen, click **Next**.
4. At the License Agreement screen, click **Yes**.
5. At the Destination Location screen, click **Next**.
6. Select **Complete**, then click **Next**.

7. At the Program Folder screen, click **Next**.
8. At the Windows Security box, click **Install** three times, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

To Verify Windows Installation

1. Check Device Manger for proper installation.

   For 2000/XP/Server 2003: Right click **My Computer**, click **Manage**, then click **Device Manager**.

   For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, click **Device Manager**.
2. Double click **1394 Bus host controllers**. **Unibrain driver/OHCI Compatible Board** should be displayed.

Connecting Devices

General driver installation steps are provided below. Please review your device's user manual for more details.

Windows 2000

1. At the Found New Hardware Wizard, click **Next**.
2. Select **Search for a suitable driver**..., then click **Next**.
3. Uncheck all check boxes, then click **Next**.
4. Click **Next**, then click **Finish**.

Windows XP

1. At the Found New Hardware Wizard.

   For XP w/SP2 or later: Select **No, not this time**, then click **Next**.

   For XP w/SP1 or earlier: Go directly to step #2.
2. Select **Install the Software Automatically**, click **Next**.

3. Click **Continue Anyway**. (Skip if not prompted)
4. Click **Finish** to complete the installation.

Server 2003

1. At the Found New Hardware Wizard.

   For 2003 w/SP1 or later: Select **No, not this time**, then click **Next**.

   For 2003 no service pack installed: Go to step #2.
2. Select **Install the Software Automatically**, click **Next**.
3. At the Security Alert box click **Yes**, or the Hardware Installation box click **Continue Anyway**, then click **Finish** to complete the installation.

Windows Vista

Windows Vista will automatically detect and install most FireWire devices when connected. For devices that do not install automatically, follow the steps below. Refer to the device's users manual for more information.

1. Click **Locate and install driver software**.
2. Click **Continue** to complete the installation.

ubSwitch Utility

In order to use a DV camcorder with this controller, Microsoft's FireWire 400 driver must be installed in the system. We have supplied an easy to use utility that allows switching between Microsoft's driver and the FireWire 800 driver. *Before using this utility, unplug all devices from the FireWire 800 PCI-32T.*

1. Click **Start**, **Programs**, **Unibrain ubcore**, **Tools** then **ubSwitch**.
2. Right click the **ubSwitch** icon located in the system tray by the clock.

3. Select the 1394 adapter that you want to switch, then click on **Microsoft 1394 Drivers**.

> **Note**: If your system has multiple 1394 adapters installed, make sure that you select the 1394 adapter that the camcorder will be plugged into.

4. Windows will display an information box when the driver is ready for use. It may take a few seconds for this box to appear. Wait for this box to appear then connect your DV camcorder.

> **Note**: To switch back to the FireWire 800 driver, follow the same procedures, but in step 3 instead of clicking on **Microsoft 1394 Drivers**, click on **Unibrain 1394 Drivers**.

Connecting a DV Camcorder

Before setting up the digital video camcorder, verify that the Microsoft FireWire 400 driver has been successfully installed in your system, then follow the steps below.

1. Connect the 4-pin connector of your FireWire 400 DV cable to your camcorder.
2. Connect the 6-pin connector of the DV cable to the FireWire 400 port.
3. Power on the camcorder. The camcorder should appear in **Device Manager**.

To Verify DV Camcorder Setup

1. Right click **My Computer**, click **Manage**, then click **Device Manager**.
2. Double click **Imaging Device(s)**. **Microsoft DV Camera and VCR** or **DV Camcorder** should be displayed.

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at ***www.siig.com*** and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a lifetime manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. If the product is determined to be defective, an RMA number will be issued. SIIG RMA department can also be reached at (510) 413-5333.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA#: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading computer upgrade manufacturer of I/O connectivity products, including PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), networking, sound cards, and other accessories. SIIG is the premier one-stop source of upgrades.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High-quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.

PRODUCT NAME
FireWire 800 PCI-32T

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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